



#5

## SEQUENCE LISTING

&lt;110&gt; Rothstein, Rodney

Zhao, Xiaolan

<120> A SMALL PROTEIN THAT INTERACTS WITH A RIBONUCLEOTIDE REDUCTASE  
SUBUNIT AND USES THEREOF

&lt;130&gt; 0575/56615-A-PCT-US

&lt;140&gt; 09/814,661

&lt;141&gt; 2001-03-22

&lt;160&gt; 27

&lt;170&gt; PatentIn version 3.1

&lt;210&gt; 1

&lt;211&gt; 1158

&lt;212&gt; DNA

&lt;213&gt; S. Cerevisiae

<400> 1  
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tccttctgcc aacatcattg ccgtcgaacg tcgcggcggt ctttctgaca ttggttaagaa 120  
tacttccaac taagagcatg cttctctttt tttttgtagg ccaatgatag gaaagaacaa 180  
tagattataa atacgtcaga atatagtaga tatgttttta tgttttagacc tcgtacatag 240  
gaataattga cgtttttttt tggccaacat ttgaaatttt tttttgttac ctgcgcgtga 300  
gccccaaacgg gctccactac ccgcgcgggt cgccattttg ggaagtcac cgtcccaaaa 360

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aggaaatagc cataacatat cgttactggt ttggaacatc gcccgtttcg cccgattccg      420
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atatatatat atatatatat atgtctcttc tacgtatttt tgtatttctg tgtctttatc     1080
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<210> 2

<211> 104

<212> PRT

<213> S. Cerevisiae

<400> 2

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Met Gln Asn Ser Gln Asp Tyr Phe Tyr Ala Gln Asn Arg Cys Gln Gln
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Gln Gln Ala Pro Ser Thr Leu Arg Thr Val Thr Met Ala Glu Phe Arg
20          25          30

Arg Val Pro Leu Pro Pro Met Ala Glu Val Pro Met Leu Ser Thr Gln
35          40          45

Asn Ser Met Gly Ser Ser Ala Ser Ala Ser Ala Ser Ser Leu Glu Met
50          55          60

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Trp Glu Lys Asp Leu Glu Glu Arg Leu Asn Ser Ile Asp His Asp Met  
65 70 75 80

Asn Asn Asn Lys Phe Gly Ser Gly Glu Leu Lys Ser Met Phe Asn Gln  
85 90 95

Gly Lys Val Glu Glu Met Asp Phe  
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<210> 3

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

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<210> 4

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<212> DNA

<213> Artificial Sequence

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<210> 5

<211> 65

<212> DNA

<213> Artificial Sequence

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tcctg 65

<210> 6

<211> 65

<212> DNA

<213> Artificial Sequence

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acacg 65

<210> 7

<211> 65

<212> DNA

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agtaaagggg cttaacatac agtaaaaaag gcaattatag tgaagagtca cgacgttgta 60

aaacg 65

<210> 8

<211> 65

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

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aaaatccaga ttcaaacaat gtttttgaaa taatgcttct catgtaggaa acagctatga 60

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<210> 9

<211> 68

<212> DNA

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tcttcaag 68

<210> 10

<211> 69

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

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<210> 11

<211> 31

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

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<210> 12

<211> 28

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

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<210> 13

<211> 28

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

<400> 13

aactgcagaa gggaaaggaa aatgcacg

28

<210> 14

<211> 31

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

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31

<210> 15

<211> 28

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

<400> 15

aactgcagtt agcttgcat tagaatgg

28

<210> 16

<211> 28

<212> DNA

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<223> Description of Artificial Sequence: Primer

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28

<210> 17

<211> 28

<212> DNA

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28

<210> 18

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

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ggggatccat gtacgtttat aaaagagac

29

<210> 19

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

<400> 19

gcgtgtcgac ggccttctta caaggacag

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<210> 20



<211> 27

<212> DNA

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<223> Description of Artificial Sequence: Primer

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<210> 21

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

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<210> 22

<211> 26

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<400> 22

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26

<210> 23

<211> 27

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: PCR Oligonucleotide

<400> 23

caataatttc cccatatgca aaattcc

27

<210> 24

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCR Oligonucleotide

<400> 24

aaaggatcct tagaagtcca tttcctcgac

30

<210> 25

<211> 9

<212> PRT

<213> Peptide

<400> 25

Gly Ala Phe Thr Phe Asn Glu Asp Phe  
1 5

<210> 26

<211> 9

<212> PRT

<213> Peptide

<400> 26

Lys Glu Ile Asn Phe Asp Asp Asp Phe  
1 5

<210> 27

<211> 9

<212> PRT

<213> Peptide

<400> 27

Gln Gly Lys Val Glu Glu Met Asp Phe  
1 5